| Ref # | Hits | Search Query | DBs | Default Operat or | Plura Is | Time Stamp |
|----------|------|---|--|-------------------------|-------------|---------------------|
| S1 | 1 | ("20050173694").PN. | US-PGP UB; USPAT; USOCR | OR | OFF | 2005/08/23 09:22 |
| S2 | 217 | InP and (InAsN or InGaAsN) | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/23 10:35 |
| S3 | 3 | "6,791,104" | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/23 15:27 |
| S4 | 13 | ("20030123511" "20040161005" "4703488" "5218613" "5276698" "5767535" "5900642" "6434180" "6546031" "6711195" "6785311" "6791104" "6801558").PN. | US-PGP UB; USPAT; USOCR | OR | OFF | 2005/08/22 14:49 |
| S5 | 11 | S4 and @ad<"20020926" | US-PGP UB; USPAT; USOCR | OR | OFF | 2005/08/22 16:01 |
| S8 | 4 | S5 and InP near3 substrate | US-PGP UB; USPAT | OR | OFF | 2005/08/22 16:02 |
| S15 | 691 | (InAsN or InGaAsN or GaAsN) | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 17:27 |

| S16 | 892 | (InAsSb or InGaAsSb or GaAsSb) | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 17:27 |
|-----|-----|--------------------------------|---|----|-----|---------------------|
| S27 | 75 | S15 SAME:S16 | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 15:50 |
| S29 | 25 | S27 and InP near3 substrate | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/23 10:34 |
| S30 | 10 | S29 and strain | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 18:12 |
| S35 | 13 | S4 and @ad<"20040205" | US-PGP UB; USPAT; USOCR | OR | OFF | 2005/08/22 16:08 |
| S36 | 4 | S35 and InP near3 substrate | US-PGP UB; USPAT; USOCR | OR | OFF | 2005/08/22 16:34 |
| S37 | 2 | S36 and S2 | US-PGP UB; USPAT | OR | OFF | 2005/08/22 16:02 |
| S38 | 1 | S37 and (antimony or Sb) | US-PGP UB; USPAT | OR | OFF | 2005/08/22 16:03 |

| S41 | 8 | S30 and @ad<"20040205" | US-PGP UB; USPAT; USOCR | OR | OFF | 2005/08/22 17:05 |
|-----|-----|--|--|----|-----|---------------------|
| S42 | 2 | S30 not S41 | US-PGP UB; USPAT; USOCR | OR | OFF | 2005/08/22 16:08 |
| S45 | 7 | S41 and well same barrier | US-PGP UB; USPAT; USOCR | OR | OFF | 2005/08/22 16:33 |
| S46 | 2 | ("20030013224" or "6798809") and InP near3 substrate | US-PGP UB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM TDB | OR | OFF | 2005/08/22 16:34 |
| S47 | 143 | (InAsN or InGaAsN or GaAsN) with (well barrier) | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 17:04 |
| S48 | 169 | (InAsSb or InGaAsSb or GaAsSb) with (well barrier) | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 17:04 |
| S49 | 42 | S47 and S48 | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 17:04 |

| S50 | 24 | S49 and InP near3 substrate | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 17:05 |
|-----|-----|-----------------------------------|--|----|------|---------------------|
| S51 | 11 | S50 and strain | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 17:05 |
| S52 | 10 | S51 and @ad<"20040205" | US-PGP UB; USPAT; USOCR | OR | OFF | 2005/08/22 17:06 |
| S53 | 1 | S51 not S52 | US-PGP UB; USPAT; USOCR | OR | OFF. | 2005/08/22 17:06 |
| S54 | 812 | (InAsSb or GaInAsSb or GaAsSb) | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 17:27 |
| S55 | 516 | (InAsN or GalnAsN or GaAsN) | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 17:28 |
| S58 | 534 | S54 not S48 | US-PGP UB; USPAT | OR | OFF | 2005/08/22 17:29 |
| S59 | 165 | \$55 not \$47 | US-PGP UB; USPAT | OR | OFF | 2005/08/22 17:29 |

| S60 | 27 | S58 and S59 | US-PGP UB; USPAT | OR | OFF | 2005/08/22 17:29 |
|-----|-------------|---|--|----|-----|---------------------|
| S61 | 0 | S29 and (strained strainING compressed compression tensile tension) NOT STRAIN | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 18:14 |
| S62 | 180035 4 | (strained strainING compressed compression tensile tension) NOT STRAIN | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 18:14 |
| S63 | 17 | S27 AND S62 | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 18:14 |
| S66 | 21 | "electron quantum well" and "hole quantum well" | US-PGP UB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/22 19:07 |
| S67 | 636 | (257/14):CCLS. | US-PGP UB; USPAT; USOCR | OR | OFF | 2005/08/22 19:07 |

| S81 | 12 | (US-20030013224-\$ or US-20030136957-\$ or US-20040051113-\$ or US-20040079408-\$ or US-20040099856-\$ or US-20050173694-\$).did. or (US-5509026-\$ or US-6621842-\$ or US-6621842-\$ or US-6617618-\$ or US-6927412-\$).did. | US-PGP UB; USPAT | OR | OFF | 2005/08/23 10:34 |
|-----|----|---|---|----|-----|---------------------|
| S82 | 9 | S81 and InPinear3 substrate | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM TDB | OR | OFF | 2005/08/23 10:51 |
| S83 | 11 | S81 and (InAsN or InGaAsN or GaInAsN or GaInNAs or InNAs or InGaNAs) | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/23 10:36 |
| S84 | 1 | (US-6791104-\$).did. | USPAT | OR | OFF | 2005/08/23 15:27 |
| S85 | 1 | S84 and (InAsN or InNAs or InGaAsN or GaInAsN or InGaNAs or GaInNAs) | US-PGP UB; USPAT; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2005/08/23 15:29 |
| S86 | 1 | (US-5509026-\$).did. | USPAT | OR | OFF | 2005/08/23 17:51 |
| S87 | 5 | (US-20040051113-\$ or US-20040099856-\$).did. or (US-6621842-\$ or US-5509026-\$ or US-6150604-\$).did. | US-PGP UB; USPAT | OR | OFF | 2005/08/23 18:10 |

| S88 | 1 | S87 and (GaInP or InGaP) | US-PGP | OR | OFF | 2005/08/23 |
|-----|---|--------------------------|--------|----|-----|------------|
| | | | UB; | | | 18:10 |
| | | | USPAT | | | |